	Test Procedures/	Material	Corrosion rate
	 must be tested in accord w	179.201-4 for corrosive service, ctice A. If the specimen does not and the corrosion rate must not	
	ASTM A747, Alloy CB7Cu	-1, CB7Cu-2	
	ASTM A744, Grades CF-8	, CF-3, CF-8M, CF-31	M
	ASTM A743, Grades CA-1	5, CF-8, CF-3, CF-3N	I, CF-8M, CN-7M, CF10SMnN
Alloy steel	ASTM A351, Grades CF81	M, CN7M, CF8, CD41	MCu, CF3, CF3M

Test Procedures/	Material	Corrosion rate	
lest Procedure	waterier	ln/mo	mm/mo
Practice B	CF-3, CF-8, CF-3M and CF-8M	0.004	0.102
Practice C	CF-3 and CF-8	0.002	0.051

The test specimen may be finished on all surfaces by machining or grinding prior to testing.

Copper base	ASTM B61
alloy	ASTM B62
Nickel and Nickel Alloys	ASTM A494, Grades CZ-100, M-35-1, M-35-2, M-30H, M-30C, CW-12MW, CW-2M, CW-6M, and N-12MV
	Grade M-30C or M-35-1 should be used when weldability is desired.
	Grades M-30C, M-35-1, and M-35-2 have equal corrosion resistance and can be used interchangeably.
Aluminum	ASTM B26
	ASTM B108
	Aluminum castings must not be used, except where required by the nature of the lading.

4.5.3 Gray cast iron is not authorized for fittings in contact with the lading on all classes of tank cars. When specified for AAR 207W pressure-differential covered hopper cars, gray Iron must comply with the following:

ASTM A126, Class B	
ASTM A278, Class 30	

4.6 Miscellaneous Tank Materials

- 4.6.1 The following list is intended to be used as a guide in the selection of materials for manway covers, flanges, pads, reinforcing plates, structural shapes, nozzles, pipe, and tubes. These materials are approved for general use, provided they are compatible with the tank plate materials of paragraph 3.0, Table M10, and castings of paragraph 4.5 (all in this appendix), where applicable. They are not intended to exclude the use of suitable materials described by other specifications. Other materials may be used on specific approval of the Tank Car Committee.
- 4.6.2 The materials listed hereafter are supplemental to the plate materials of paragraph 3.0, Table M10, and castings of paragraph 4.5 (all in this appendix) and may be used for the same pur-